

ABSTRACT

Mycoplasma hyopneumoniae polypeptides and nucleic acids, as well as nucleic acid expression vectors and host cells containing nucleic acid vectors are provided. In addition, compositions containing *M. hyopneumoniae* polypeptides and nucleic acids are
5 provided for use in methods of treating swine to prevent enzootic pneumonia. Furthermore, the invention provides diagnostic tests for the detecting of *M. hyopneumoniae* infection in swine herds.

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